

## APPENDIX A: MARKED UP COPY OF CLAIMS

1. (Amended) A method of treating diabetes comprising administering to an animal having diabetes an active compound from a berry from a plant of the *Panax* genus, wherein the active compound comprises ginsenoside Re.
3. (Amended) The method of claim 2, wherein the active compound comprises an anti-hyperglycemic [constituent] compound.
4. (Amended) The method of claim 3, wherein the active compound comprises [a] purified ginsenoside Re.
10. (Amended) The method of claim 3, wherein the active compound comprises an anti-obesity [constituent] compound.
30. (Amended) A method of treating an animal having hyperglycemia comprising administering to the animal an active compound from a berry from a plant of the *Panax* genus, wherein the active compound comprises ginsenoside Re.
33. (Amended) The method of claim 30, wherein the active compound comprises an anti-obesity [constituent] compound.
34. (Amended) A method of treating an animal to decrease blood glucose levels comprising administering to the animal an active compound from a berry from a plant of the *Panax* genus, wherein the active compound comprises ginsenoside Re.
35. (Amended) The method of claim 34, wherein the active compound comprises an anti-hyperglycemic [constituent] compound.

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38. (Amended) The method of claim 35, wherein the active compound comprises an anti-obesity [constituent] compound.

## **APPENDIX B: CLEAN COPY OF CLAIMS**

1. A method of treating diabetes comprising administering to an animal having diabetes an active compound from a berry from a plant of the *Panax* genus, wherein the active compound comprises ginsenoside Re.
2. The method of claim 1, wherein the berry is from the ginseng species *Panax ginseng* or *Panax quinquefolius*.
3. The method of claim 2, wherein the active compound comprises an anti-hyperglycemic compound.
4. The method of claim 3, wherein the active compound comprises purified ginsenoside Re.
7. The method of claim 3, wherein the active compound comprises at least two ginsenosides.
10. The method of claim 3, wherein the active compound comprises an anti-obesity compound.
11. The method of claim 1, wherein the animal has non-insulin dependent diabetes.
12. The method of claim 1, wherein the animal is a mammal.
13. The method of claim 12, wherein the mammal is a human.
14. The method of claim 13, wherein the human is obese.
15. The method of claim 1, wherein the composition is administered via a parenteral route.
16. The method of claim 15, wherein the parenteral route is intraperitoneal, intravenous, subcutaneous, intramuscular, intradermal or transdermal.
17. The method of claim 1, wherein the composition is administered via an alimentary route.
18. The method of claim 17, wherein the alimentary route is oral, rectal, sublingual or buccal.
19. The method of claim 1, wherein the composition is administered as a dose.
- ~~20. The method of claim 19, wherein the dose is administered at least once a day.~~
21. The method of claim 19, wherein the dose is administered preprandial.
22. The method of claim 1, wherein the composition is administered as a series of doses.

30. A method of treating an animal having hyperglycemia comprising administering to the animal an active compound from a berry from a plant of the *Panax* genus, wherein the active compound comprises ginsenoside Re.
33. The method of claim 30, wherein the active compound comprises an anti-obesity compound.
34. A method of treating an animal to decrease blood glucose levels comprising administering to the animal an active compound from a berry from a plant of the *Panax* genus, wherein the active compound comprises ginsenoside Re.
35. The method of claim 34, wherein the active compound comprises an anti-hyperglycemic compound.
38. The method of claim 35, wherein the active compound comprises an anti-obesity compound.
51. The method of claim 4, wherein the active compound further comprises a non-ginsenoside component.
52. A method of treating diabetes comprising administering to an animal having diabetes an active compound from a berry from a plant of the *Panax* genus, wherein the plant is *Panax quinquefolius*.
53. The method of claim 52, wherein the active compound comprises an anti-hyperglycemic compound.
54. The method of claim 53, wherein the active compound comprises a ginsenoside.
55. The method of claim 53, wherein the active compound comprises at least two ginsenosides.
56. The method of claim 53, wherein the active compound comprises non-ginsenoside components of berry extract.
57. The method of claim 53, wherein the active compound is ginsenoside free.
58. The method of claim 53, wherein the active compound comprises an anti-obesity compound.

59. The method of claim 52, wherein the animal has non-insulin dependent diabetes.
60. The method of claim 52, wherein the animal is a mammal.
61. The method of claim 60, wherein the mammal is a human.
62. The method of claim 61, wherein the human is obese.
63. A method of treating an animal having hyperglycemia comprising administering to the animal an active compound from a berry from a plant of the *Panax* genus, wherein the plant is *Panax quinquefolius*.
64. The method of claim 63, wherein the active compound comprises a ginsenoside.
65. The method of claim 64, wherein the ginsenoside is Re.
66. The method of claim 63, wherein the active compound comprises an anti-obesity compound.
67. A method of treating an animal to decrease blood glucose levels comprising administering to the animal an active compound from a berry from a plant of the *Panax* genus, wherein the plant is *Panax quinquefolius*.
68. The method of claim 67, wherein the active compound comprises an anti-hyperglycemic compound.
69. The method of claim 68, wherein the active compound comprises a ginsenoside.
70. The method of claim 69, wherein the ginsenoside is Re.
71. The method of claim 68, wherein the active compound comprises an anti-obesity compound.
72. The method of claim 54, wherein the active compound further comprises a non-ginsenoside component.